

Claims:

1. An apparatus for pumping fluids from wellbore, comprising:
a pump, said pump having at least a fluid outlet, said fluid outlet carrying at least a portion of the wellbore fluid therewith when said pump is pumping; and
a gas supply, said gas supply forming gaseous bubbles in said wellbore.
2. The apparatus of claim 1, wherein said pump is a jet pump having a fluid inlet communicable through said pump with said fluid outlet.
3. The apparatus of claim 2, further including;
a tube extending downwardly in the wellbore from a wellhead location to a pump location, said tube in fluid communication with said inlet.
4. The apparatus of claim 3, further including casing intermediate said wellbore and said tube, a wellhead disposed over said casing, and a fluid outlet disposed adjacent said wellhead.
5. The apparatus of claim 3, further including a fluid control system.
6. The apparatus of claim 5, wherein said fluid control system includes a start up system, a high pressure multiphase pump, and a return fluid control system.
7. The apparatus of claim 3, wherein said gas supply is present in said pump.
8. The apparatus of claim 3, wherein said gas supply includes:
a pumping member for providing gas in a non-vapor phase; and
said pump is operable to affect said gas to provide said gas in a vapor stage.
9. A method of artificial lift in wellbores, comprising:
providing a pump in a production zone of the wellbore; and

providing a secondary pumping media into the wellbore to aid in the lifting of well fluids from the wellbore.

10. The method of claim 9, further including the steps of:

providing a pumping fluid down a wellbore and expanding said fluid in a location in fluid communication with the production zone; and

recovering a portion of the fluids in the production zone and the expanded fluid from the wellbore.

11. The method of claim 10, wherein the pump is a jet pump.

12. The method of claim 11, wherein the secondary pumping media is a gas.

13. The method of claim 12, further including the step of vaporizing the gas to provide artificial lift in the recovered portion and expanded fluid.

14. The method of claim 13, further including the steps of:

providing a supply of fluid;

providing a supply of gas;

pressurizing said supply of gas and said supply of liquid to provide a pressurized pumping fluid;

providing a conduit extending between the supply of pressurized pumping fluid and the pump;

flowing the pressurized pumping fluid through the pump;

expanding the pressurized pumping fluid as it flows through the pump, thereby vaporizing, at least in part, the gas and entraining at least a portion of the fluid in the production zone in the expanded pumping fluid;

recovering the expanded pumping fluid, gas and well fluid; and

separating from the recovered expanded pumping fluid, gas and well fluid a portion thereof representative of the recovered well fluid.